

CERTIFICATE OF ANALYSIS

Product Name	GREEN TEA OIL
Botanical Name	Camellia Sinensis
Product Code	E211
CAS #	68916-73-4 ; 84650-60-2
EINECS #	283-519-7
INCI Name	Camellia Sinensis (Green Tea) Seed Oil

Batch #	41312006
Manufacturing Date	JUNE 2020
Best Before Date	MAY 2022

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to golden colored liquid	CONFORMS
Odour	Characteristic odour	CONFORMS
Refractive Index	1.460 - 1.490 @ 20°C	1.478
Specific Gravity (g/mL)	0.900 - 0.940 @ 20°C	0.918
Saponification Value (mgKOH/g)	180 - 210	198
Iodine Value (g I₂/100g)	75 - 95	85
Peroxide Value (meq O₂/kg)	Less than 5.0	CONFORMS
Acid Value (mgKOH/g)	Less than 0.5	CONFORMS
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	6.00 – 15.00	8.60
Stearic Acid	C18:0	0.80 – 2.00	1.10
Oleic Acid	C18:1 (n-9)	72.00 – 87.00	81.90
Linoleic Acid	C18:2 (n-6)	5.30 – 14.30	7.20

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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